PLEASE THINK BEFORE YOU PRINT

Specifications

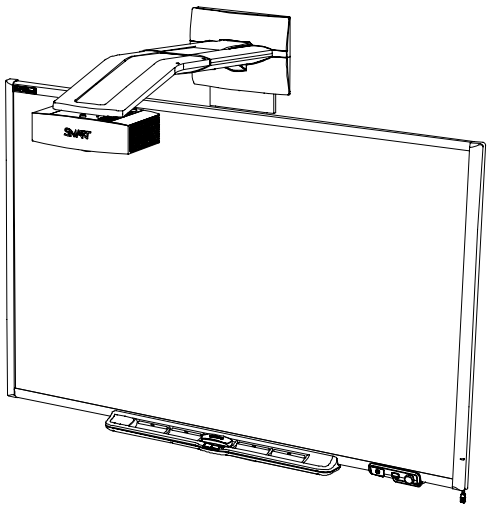
SMART Board™ interactive whiteboard system

Model SBD685i4

Physical specifications

SMART Board™ D685 interactive whiteboard

Size	77 1/2" W × 49 1/2" H × 5 1/8" D (196.9 cm × 125.7 cm × 13 cm)
Active screen area (maximum interactive, projected image)	74" W × 46 1/8" H (188 cm × 117.2 cm) 87 1/8" (221.3 cm) diagonal, 16:10 aspect ratio
Weight	42 lb. (19.1 kg)
Shipping size	54" W × 86 1/4" H × 5 1/2" D (137.2 cm × 219.1 cm × 14 cm)
Shipping weight	63 lb. (28.6 kg)



SMART UF65w projector system

Total size	18 1/2" W × 15 1/2" H × 50 1/4" D (47 cm × 39.4 cm × 127.6 cm)
Remote control	1 5/8" W × 3 3/8" H × 1/4" D (4 cm × 8.6 cm × 0.7 cm)
Extended control panel	6" W × 2 5/8" H × 2 1/4" D (15.2 cm × 6.6 cm × 5.8 cm)
Weight	13 lb. 8 oz. (6.1 kg)
Shipping size	
Accessory box	39 3/4" W × 9 1/2" H × 16" D (100.9 cm × 24.1 cm × 40.6 cm)
Projector box	19 5/8" W × 15 1/8" H × 8 1/4" D (50 cm × 38.5 cm × 21 cm)
Shipping weight	38 lb. 8oz. (17.5 kg)

All dimensions +/- 1/8" (0.3 cm). All weights +/- 2 lb. (0.9 kg).

Standard features

Software	Includes SMART Notebook™ collaborative learning software. See the SMART Notebook software specifications for a complete list of system requirements. Software upgrades are available from smarttech.com/software.
Environmental compliance	China EIP, EU WEEE, CPSIA, US CPSIA, Packaging, Batteries and EU RoHS
Regulatory certification	CSA (U.S./Canada), CB, CE, FCC and C-Tick
Warranty	The projector and extended control panel (ECP) have a three-year limited equipment warranty. The SMART UF65w projector lamp has a 500 hour/90 day warranty. Your interactive whiteboard has a two-year limited equipment warranty or a five-year limited equipment warranty upon registration. See included warranty documents for details.
Cables	Includes the necessary cables to connect the projector to the ECP. However, you must supply the appropriate input cables for your additional computers and devices.

Interactive whiteboard features

Dual touch/dual write	Enables two users to work simultaneously in SMART Notebook software
Pen tray	Optical sensors in the pen tray detect when you lift one or two pens, or the eraser, from the tray. LEDs indicate the active tools.
Pens and eraser	Black, red, green and blue pens and a rectangular eraser
Resolution	Touch resolution is approximately 4000 × 4000.
Screen surface	The hard-coated surface is tear proof, optimized for projection, compatible with dry-erase markers and cleans easily with whiteboard cleaner.
Digitizing technology	Resistive technology
Frame finish	Dark gray (approximates Pantone® Charcoal Gray 18-0601 TPX) and Ultrasonic Chrome (approximates Cool Gray 7)
Wall-mount bracket	Includes two 32" (81.3 cm) wide brackets, 10 screws and 10 drywall anchors to support your wall-mounted interactive whiteboard
Projector mounting template	This template ensures simple installation and accurate alignment between the SMART UF65w projector and your SMART Board D685 interactive whiteboard.
Installation instructions	The installation instructions for your SMART Board 685i4 interactive whiteboard system are included in the SMART UF65w projector boom box. Don't use the installation instructions included in your SMART Board interactive whiteboard box when installing the SMART Board 685i4 interactive whiteboard system. Additional documentation is available on the SMART Support website.
Theft prevention	Pen tray locking feature and Kensington® security slot on the pen tray

SMART UF65w projector system features

System components	SMART UF65w projector, boom mount with a limit strap (including a controlled-collapse feature), ECP, remote control and all necessary input cables from the ECP to the projector
Image adjustment	The mounting boom includes three mechanical adjustments for aligning the projector image with your interactive whiteboard. The projector also has a focus lever and a digital on-screen menu for brightness, contrast and other image-related attributes.
Display type	WXGA 1280 × 800 projector
3D technology	3D-ready projector using DLP® Link™ technology
Display technology	The projection engine uses DLP® technology by Texas Instruments™, providing BrilliantColor™ performance and quality Gamma 2.2 correction with Bright Room, Dark Room, sRGB, User and SMART Presentation modes.
Brightness	Estimated at 2000 lumens (typical) at a CCT of 6500 K by the IEC method
Lamp life	3000 hours (Standard 200 W mode) or 5000 hours (Economy 160 W mode)
Aspect ratio	Support for 16:9, 16:10 and 5:4 ratios
Contrast ratio	2000:1
Video system compatibility	NTSC, NTSC 4.43, PAL, PAL-N, PAL-M and SECAM
Video interface compatibility	Composite, S-video, and VESA RGB, with additional interface support for Component YPbPr and Component YCbCR inputs with the proper adapters (not included)
Video format compatibility	Native 16:10 aspect ratio XGA projector resolution. With scaling, supports VGA, SVGA, SXGA, Quad VGA, SXGA+ and UXGA formats.
Synchronization	Auto image synchronization (auto tracking, frequency, position adjustment, source detect and phase detect)
Mounting hardware	Includes hardware for mounting the SMART UF65w projector to framed and solid walls. Includes a safety tether and limit strap.
Input/output connections	• Two HD DB15F connectors – RGB video input from two computers via VGA connectors • HD DB15F connector – video output pass-through of Video Input 1 signal • 4-pin mini-DIN connector – S-video input • One pair of audio jacks (RCA, stereo) – reserved for use with S-video • Composite video connector – RCA-style video input • One pair of audio jacks (RCA, stereo) – reserved for use with composite video • Two 3.5 mm stereo jacks – audio input from two computers • 3.5 mm stereo jack – audio output to connect speakers • RJ45 – network connection for SNMP management and control, and for sending e-mail alerts

- 4-pin power mini-DIN 5V 2A connector (reserved for ECP harness cable)
- 7-pin mini-DIN connector (reserved for ECP harness cable)

Projector fan

- Standard speed – 0 to 6000' (0 m to 1829 m): 41°F to 95°F (5°C to 35°C)
- High speed – 6000' to 6800' (1829 m to 2073 m): 41°F to 86°F (5°C to 30°C)

Projector noise 36 dBA (high fan speed) or 31dBA (standard fan speed), measured using JIS method

Power requirements 100V AC to 240V AC, at 50 Hz to 60 Hz

Power cable Includes a 14' 9" (4.5 m) power cable

External control The RS-232 connector is configured to accept control codes from your computer or a room control system.

Power consumption 270 W in High Brightness. 225 W in Economy mode. <5 W in Standby mode.

Remote control Provides an alternative method of controlling the SMART UF65w projector settings

Theft protection The SMART UF65w projector system features an optional padlocked ring to prevent theft. A Kensington security slot is provided to affix the system to a wall as a visual and physical theft deterrent.

Extended control panel (ECP) features

Input/output connections

- Two USB A receptacles for peripheral devices: one on the back and one on the front
- Three RCA jacks (composite video input) and associated audio input
- DB15-M socket (ECP harness cable only)
- USB B receptacle (secondary computer)
- RJ11 6-wire jack for SC9 connector cable when using the system with a SMART Hub SE240
- USB B receptacle (primary computer)
- USB A receptacle (SMART Board interactive whiteboard only)

Volume control Controls sound range

Power button Turns the projector on and off

Input selection buttons Selects the projector video and audio inputs through the available input sources: VGA1, VGA2, Composite and S-video. The USB Hub supports dual computer switching.

Storage and operating specifications

Storage

- Maximum storage temperature: 122°F (50°C)
- Minimum storage temperature: -40°F (-40°C)

Operation

- Using standard fan speed, 41°F to 95°F (5°C to 35°C) from sea level to an altitude up to 6000' (0 m to 1829 m)
- Using high fan speed, 41°F to 86°F (5°C to 30°C) from 6000' to 6800' (1829 m to 2073 m)
- In Service mode, 41°F to 86°F (5°C to 30°C) from 6800' to 9800' (2073 m to 2987 m)

SMART order numbers

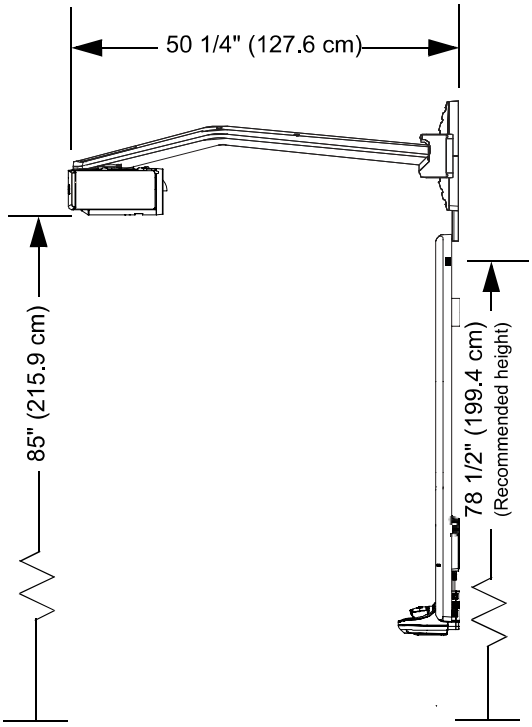
SBD685i4	87 1/8" (221.3 cm) diagonal dual-touch SMART Board 685 interactive whiteboard with a SMART UF65w projector system
20-01032-20	Replacement projector lamp

Optional accessories

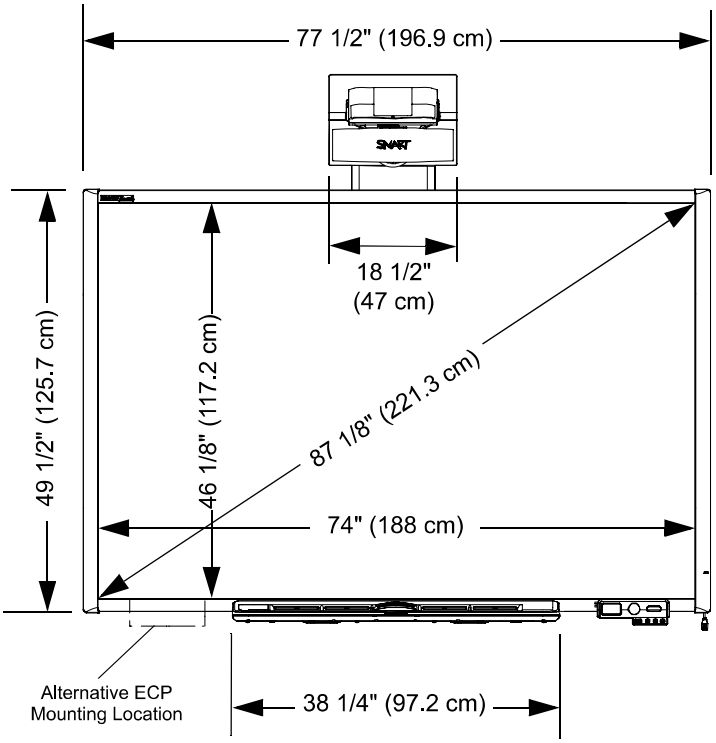
RPEN-ER	Replacement set of four pen tray pens (black, red, green and blue) and a rectangular eraser
RPEN	Replacement set of four pen tray pens (black, red, green and blue)
SBA-L	Projection Audio System for the SMART Board 600i4 interactive whiteboard system
WC6D	Wireless Bluetooth® Connection for SMART Board 600 and D600 series interactive whiteboards

Physical dimensions

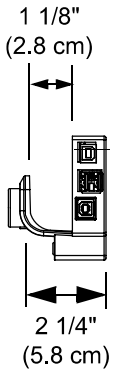
Right side view



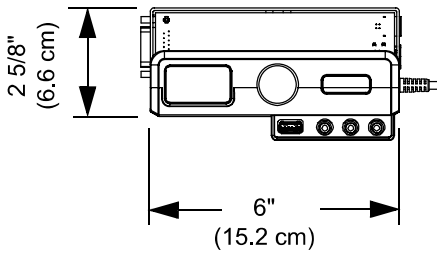
Front view



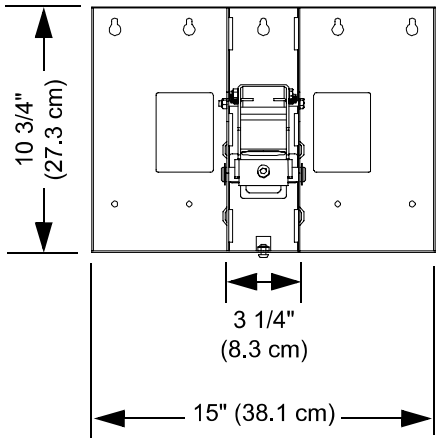
ECP right side view



ECP front view



Projector mounting bracket



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